CLAIMS

What is claimed is:

1. An intraluminal stent comprising:

a metallic reinforcing component; and

a biodegradable polymeric material covering at least a portion of the metallic reinforcing component;

the metallic reinforcing component providing structural reinforcement for the stent but being insufficient, in the absence of the biodegradable polymeric material, to provide a stent capable of maintaining patency of a lumen upon implantation of the stent into the lumen.

- 2. The intraluminal stent of claim 1, wherein the metallic reinforcing component comprises a biocompatible metal selected from the group consisting of stainless steel, titanium alloys, tantalum alloys, nickel alloys, cobalt alloys and precious metals.
- 3. The intraluminal stent of claim 2, wherein the biocompatible metal comprises a shape memory alloy.
- 4. The intraluminal stent of claim 3, wherein the shape memory alloy comprises a nickel-titanium alloy.
- 5. The intraluminal stent of claim 1, wherein the biodegradable polymeric material comprises a biocompatible biodegradable polymer selected from the group consisting of polylactic acid, polyglycolic acid, polycaprolactone, polyorthoesters, and trimethylene carbonate polymers, as well as copolymers and mixtures thereof.
- 6. The intraluminal stent of claim 1, wherein the stent is selected from the group consisting of endovascular, biliary, tracheal, gastrointestinal, urethral, ureteral and esophageal stents.
- 7. The intraluminal stent of claim 6, wherein the stent is balloon-expandable or self-expandable.

- 8. The intraluminal stent of claim 6, wherein the endovascular stent is a coronary stent.
- 9. The intraluminal stent of claim 1, wherein the metallic reinforcing component comprises a plurality of apertures.
- 10. The intraluminal stent of claim 9, wherein the metallic reinforcing component is selected from the group consisting of an open-mesh network comprising one or more knitted, woven or braided metallic filaments; an interconnected network of articulable segments; a coiled or helical structure comprising one or more metallic filaments; and, a patterned tubular metallic sheet.
- 11. The intraluminal stent of claim 10, wherein said metallic filaments comprise two or more different metals.
- 12. The intraluminal stent of claim 10, wherein the patterned tubular metallic sheet is formed by laser cutting or chemical etching of a metallic sheet.
- 13. The intraluminal stent of claim 9, wherein the biodegradable polymeric material covering at least a portion of the metallic reinforcing component comprises a biodegradable polymeric material coating layer.
- 14. The intraluminal stent of claim 13, wherein said biodegradable polymeric material coating layer comprises one or more therapeutic and/or diagnostic agents.
- 15. The intraluminal stent of claim 9, wherein the biodegradable polymeric material covering at least a portion of the metallic reinforcing component comprises two or more biodegradable polymeric material coating layers.
- 16. The intraluminal stent of claim 15, wherein one or more of the biodegradable polymeric material coating layers comprise one or more therapeutic and/or diagnostic agents.

- 17. The intraluminal stent of claim 16, wherein different therapeutic agents or combinations of therapeutic agents are present in two of more of said biodegradable polymeric material coating layers.
- 18. The intraluminal stent of claim 15, wherein at least two of said biodegradable polymeric material coating layers have different rates of biodegradation.
- 19. The intraluminal stent of claim 16, wherein at least two of said biodegradable polymeric material coating layers have different rates of release of therapeutic agent therefrom.
- 20. The intraluminal stent of claim 9, wherein the metallic reinforcing component and biodegradable polymeric material are provided within a laminated structure.
- 21. The intraluminal stent of claim 20, wherein the metallic reinforcing component is disposed between two or more layers of the biodegradable polymeric material.
- 22. The intraluminal stent of claim 21, wherein the two or more layers comprise different biodegradable polymeric materials.
- 23. The intraluminal stent of claim 21, wherein at least one of said two or more layers comprises one or more therapeutic and/or diagnostic agents.
- 24. The intraluminal stent of claim 23, wherein different therapeutic agents or combinations of therapeutic agents are present in two or more of said layers.
- 25. The intraluminal stent of claim 21, wherein at least two of said layers have different rates of biodegradation.
- 26. The intraluminal stent of claim 23, wherein at least two of said layers have different rates of release of therapeutic agent therefrom.

27. The intraluminal stent of claim1, wherein a surface of the metallic reinforcing component is passivated to enhance its biocompatibility.